

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES MADE,  
AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) A method of executing a measurement or control action, comprising the steps of:
  - generating a temporally periodic synchronization signal by a receiver based on a timing reference signal;
  - dividing the temporally periodic synchronization signal by a switching frequency generated by a timing generator [[[14]]] into a plurality of switching intervals; and
  - associating a switching command to each of the switching intervals to trigger an associated switching process of the measurement or control action.
2. (Currently amended) The method of claim 1, wherein the receiver comprises a GPS receiver for outputting a pulse-per-second (PPS) signal for use as the temporally periodic synchronization signal.
3. (Previously presented) The method of claim 1, wherein the timing generator comprises a quartz oscillator.
4. (Previously presented) The method of claim 1, further comprising the step of continuously correcting the synchronization signal by a correction value.
5. (Previously presented) A method for synchronizing several measurement and/or control actions, with each of the measurement or control actions being executed by a method of claim 1, wherein the timing reference signal is a common timing reference signal.
6. (Currently amended) The method of claim 5, wherein the timing reference signal is a GPS signal.

7. (Currently amended) A controller for executing a measurement or control action, comprising:
  - a receiver configured to generate a temporally periodic synchronization signal based on a timing reference signal;
  - a timing generator configured to generate a switching frequency;
  - a pulse divider configured to divide the temporally periodic synchronization signal into a plurality of switching intervals based on the switching frequency and associating a switching command to each of the switching intervals; and
  - a device receiving the switching command from the pulse divider for triggering a corresponding switching process and executing the measurement or control action.
8. (Previously presented) The controller of claim 7, further comprising a stored program control for supplying a sequence of switching commands to the pulse divider.